

CLASSIFICATION **CONFIDENTIAL**  
 CENTRAL INTELLIGENCE AGENCY  
 INFORMATION FROM  
 FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT  
 CD NO.

50X1-HUM

COUNTRY Yugoslavia  
 SUBJECT Geographic -- Weather reports  
 HOW PUBLISHED Semimonthly periodical  
 WHERE PUBLISHED Novi Sad  
 DATE PUBLISHED 20 Jul 1950  
 LANGUAGE Serbo-Croatian

DATE OF  
 INFORMATION 1950

DATE DIST. 10 Oct 1950

NO. OF PAGES 3

SUPPLEMENT TO  
 REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE  
 OF THE UNITED STATES WITHIN THE MEANINGS OF ESPIONAGE ACT 50  
 U. S. C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION  
 OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PRO-  
 HIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

SOURCE Vojvodjanski Poljoprivrednik.

REPORT OF THE NOVI SAD AGROMETEOROLOGICAL CENTER FOR MAY 1950

D. Lakic

Precipitation (in millimeters)

Upper Backa: Palic 32, Kanjiza 31, Orom 16, Senta 24, Tornjos 20, Baj-  
 mok 13, Stara Moravica 12, Backa Topola 22, Ada 13, Backo Petrovo Selo 14,  
 Becej 25, Crvenka 22, Mali Stapar 49.

Lower Backa: Novi Sad 21, Rimski Sancevi 28, Celarevo 16, Backa Pa-  
 lanka 14, Backi Petrovac 21, Vrbas 31, Srbobran 26, Biserno Ostrvo 24, Saj-  
 kas 41, Titel 16.

Western Backa: Stanisic 62, Backi Breg 28, Bezdan 75, Backi Monostor 21,  
 Sombor 23, Apatin 29, Sonta 13, Bogojevo 27, Odzaci 23, Plavna 19.

Northern Banat: Novi Knezevac 50, Banatsko Arandjelovo 5, Coka 6, Mok-  
 rin 9, Kikinda 3, Padej 33, Rusko Selo 17, Basaid 12, Volosinovo 34, Itebej 11,  
 Zrenjanin 16.

Southern Banat: Bela Crkva 39, Vrsac 35, Hajducica 24, Konak 24, Sec-  
 anj 13, Tomasevac 19, Banatsko Rankovicevo 18, Gaj 42, Kovin 21, Pancevo 34,  
 Padina 22, Glogonjski Rit 9, Besni Fok 47, Opovo 57.

Srem: Morovic 25, Vasica 53, Sid 28, Bosut 61, Erdevik 19, Calma 18,  
 Banostor 17, Sremska Mitrovica 27, Besenovo 25, Ruma 35, Iriski Venac 28,  
 Sremska Kamenica 20, Petrovaradin 31, Sremski Karlovci 103, Gladnos 52, Stara  
 Pazova 54, Nova Pazova 62, Popinci 35, Hrtkovci 38, Ogar 58, Mihaljevci 45,  
 Ugrinovci 33, Petrovcic 35, Asanja 52, Boljevci 68.

Evaporation in Testing Stations (in millimeters)

Palic 112, Coka 116, Vrbas 131, Rimski Sancevi 106, Biserno Ostrvo 121,  
 Vrsac 195.

- 1 -

CLASSIFICATION			CONFIDENTIAL		CONFIDENTIAL						
STATE	<input checked="" type="checkbox"/>	NAVY	<input checked="" type="checkbox"/>	NSRB	DISTRIBUTION						
ARMY	<input checked="" type="checkbox"/>	AIR	<input checked="" type="checkbox"/>	FBI							

**CONFIDENTIAL**

CONFIDENTIAL

50X1-HUM

Atmospheric Temperatures (in degrees centigrade)

Average for the month: Palic 18.4, Sombor 18.5, Kikinda 19.1, Vrbas 18.9, Zrenjanin 19.1, Rimski Sancevi 18.7, Sremska Mitrovica 18.2, Vrsac 18.8.

Minimum temperature, varying from 3 to 5 degrees centigrade, was on 1 May.

Maximum temperature, varying from 33 to 35 degrees centigrade, was on 26 May.

Soil Temperatures (in degrees centigrade)

Rimski Sancevi: at 5 centimeters, 20.7; at 10 centimeters, 20.6; at 20 centimeters, 20.0; at 30 centimeters, 17.6; at 50 centimeters, 16.9; at one millimeter, 12.5.

Hours of Sunlight

Palic 293, Rimski Sancevi 272, Backi Petrovac 272, or about 60 percent of the possible maximum (461 hours).

Actinic Power of Solar Illumination

At Rimski Sancevi, 14, 174 calorigrams per square centimeter.

Relative Humidity

Average for the month, 65.5 percent; average at 1400 hours, 50.1 percent.

Cloudiness

Average total, 4.7.

Wind

Monthly average for all winds, 1.2., according to the Beaufort scale. Most winds came from the west quadrant.

Atmospheric Pressure

Rimski Sancevi, monthly average 754.6 millimeters; highest, 761.9 millimeters on 1 May; lowest, 750.3 millimeters on 16 May.

Conclusions

1. Meteorology

Total precipitation showed a decrease of about 60 percent in relation to the average over many years. The weather was too dry, especially in the second half of the month.

The average temperature showed an increase of over 2 degrees. Temperatures were especially high in the last 10 days.

In relation to the low total precipitation, the high temperatures, and the dry and warm winds, evaporation was quite intensive; four times as much water as the total rainfall was evaporated from the center's testing station.

- 2 -

CONFIDENTIAL

**CONFIDENTIAL**

**CONFIDENTIAL**

CONFIDENTIAL

50X1-HUM

This phenomenon was even more marked at the end of the month in southeastern Srem and the southern Banat.

Fog was observed in most stations only once, in the first 10 days of the month.

## 2. Agriculture

Because of the plentiful rains in April, the soil in the greater part of Yugoslavia was not significantly impoverished by the lack of rain. The effect of the dry weather was somewhat more harmful to the spring and summer plantings of crops and vegetables than to the winter plantings, which look fairly good in all parts of the Vojvodina except southeastern Banat.

Vineyards did not sustain damage from Peronospora, as it appeared only sporadically and on the lower ground.

Hail and rainstorms did the least damage to the vineyards and orchards in southern Banat.

- E N D -

- 3 -

CONFIDENTIAL

**CONFIDENTIAL**